



Atty Docket No. 080398.P158

Patent

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Re Application of: ) Examiner: Lonsberry, Hunter B.  
)  
Proehl, et al. ) Art Unit: 2611  
)  
Serial No. 09/218,119 )  
)  
Filed: December 21, 1998 )  
)  
For: METHOD AND APPARATUS )  
FOR NOTIFICATION ON A )  
BROADCAST DEVICE )

**BEST AVAILABLE COPY**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**DECLARATION UNDER 37 C.F.R. § 1.131**

I, Sheryl Sue Holloway, declare that:

1. I am currently the managing partner for Sony Electronics, Inc. and Sony Corporation, co-assignees of the above-referenced patent application, for the law firm of Blakely, Sokoloff, Taylor & Zafman.

2. Maria McCormick Sobrino was the managing partner for Sony Electronics, Inc. and Sony Corporation for Blakely, Sokoloff, Taylor & Zafman from 1994 until shortly before her death in 2001.

3. The disclosure document for the above-referenced patent application shows a date of conception prior to the April 30, 1998 filing date of U.S. Patent 6,725,461. The disclosure, Sony number 50L2271, was assigned Blakely, Sokoloff, Taylor & Zafman client matter number 080398.P158. A copy of the cover letter and the disclosure

document are presented in Exhibit A. The cover letter indicates the matter number in the upper right-hand corner. A copy of the database record for 080398.P158 showing the Sony number is also presented in Exhibit A.

4. The invention of the disclosure was constructively reduced to practice when the above-referenced application was filed on December 21, 1998.

5. The critical period in which diligence in reducing the invention to practice must be shown begins on April 29, 1998, the day before the filing date of the '461 patent, and ends on December 21, 1998, the filing date of the above-referenced patent application.

6. In preparation of this declaration, I have reviewed the database records and the dockets for Sony Electronics and Sony Corporation, and for other Blakely, Sokoloff, Taylor & Zafman clients, during the critical period.

7. During the critical period, Ms. Sobrino prepared, or supervised the preparation of, approximately fifty other patent applications for Sony Electronics and Sony Corporation. A list of these patent applications is presented in Exhibit B.

8. During the critical period, Ms. Sobrino managed the prosecution of approximately one hundred and seven previously filed patent applications for Sony Electronics and Sony Corporation. A list of these patent applications is presented in Exhibit C.

9. During the critical period, Ms. Sobrino prepared, or supervised the preparation of, patent applications, and managed the prosecution of previously filed patent applications for other Blakely, Sokoloff, Taylor & Zafman clients.

10. I declare, to the best of my knowledge, all statements made in this document

are true, and that all statements made on information are believed to be true; and further, that these statements were made with the knowledge that willful false statements are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the above-referenced patent application or any patent issued therefrom.

FEB. 28, 2004

Date

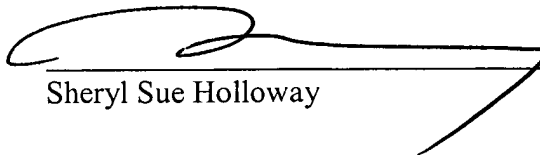
  
Sheryl Sue Holloway



EXHIBIT A

Letter dated January 28, 1998 from Sony Corporation to Ms. Maria Sobrino.

Disclosure document for Sony number 50L2271.

Copy of database record for Blakely, Sokoloff, Taylor & Zafman client matter  
080398.P158.

SONY

Sony America, Intellectual Property Department  
1 Sony Drive, Park Ridge, New Jersey 07656-8003  
Telephone (201) 930-1000 Fax (201) 930-6854 Sender's Direct Telephone (201) 930-

7951



January 28, 1998

VIA FACSIMILE

RECEIVED

FEB 02 1998

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN  
SUNNYVALE

Maria Sobrino, Esq.  
Blakely Sokoloff Taylor & Zafman  
1279 Oakmead Parkway  
Sunnyvale, CA 94086-4039

## CONFIRMATION COPY

RE: Invention Disclosures:

Title: Displaying Stations by their Logos or Names  
IPD File No.: 50L2269

STATUS REPORT

Title: Zooming EPG, Video Zoom into EPG and Reverse  
IPD File No.: 50L2270

Title: Reminder/Messaging Display on a TV Screen  
IPD File No.: 50L2271

Dear Maria:

On January 21, 1998, I send you a letter regarding the above-reference invention disclosures. Please be advised that there has been a change in strategy, so please handle them in the following manner.

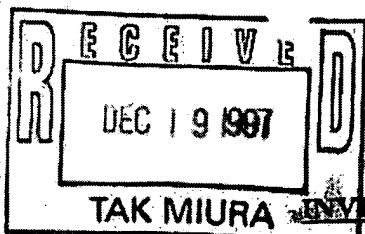
IPD #50L2269 and #50L2270 will be combined into one application, if possible and #50L2271 will be filed separately as its own application. Please let me know if you have any questions regarding this change or you may want to contact the managing attorney which is Tak Miura at: 201-930-7420. Thank you.

Sincerely,

Andrea Petit-Clair  
Foreign Filing Specialist

:lad

cc: Tak Miura, Esq.



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## TAK MIURA INVENTION DISCLOSURE FORM

IPD Case #: 50L 2271

## I. IDENTIFICATION

Short Descriptive Title of the Invention:

Reminder / Messaging Display on a TV screen

2. Name of Responsible Parent Coordinator:

3. Identify all persons who contributed to the present invention including persons from other Sony Divisions, Sony Japan and Outside Companies:

- (1) Full Legal Name Andrew M. Proehl  
 Home Address 323 W. 89th St #5A  
New York, NY 10024  
 Citizenship U.S.A.  
 Business Phone/Fax T: 212 833-6204 F: 212 833-6122  
 Division/Company/Location Design Center, Sony Corp. of America, 555 Madison  
 Manager's Name / Phone No. Keiichi Totsuka, 212 833-6009
- (2) Full Legal Name Franklin Servan-Schreiber  
 Home Address 305 West 13th St. Apt. 5D  
New York, NY, 10014  
 Citizenship France  
 Business Phone/Fax 212 833-6345 Fx: 212 833-6426  
 Division/Company/Location US Research Labs, Sony Electronics, 126 Fifth Ave.  
 Manager's Name & Phone No. Takashi Usuki, 408 955-5290
- (3) Full Legal Name Kim Mingo  
 Home Address 265 Clinton St. Apt 3B  
Brooklyn, NY 11201  
 Citizenship U.S.A.  
 Business Phone/Fax 212 833-6201 Fax 212 833-6122  
 Division/Company/Location Design Center, Sony Corp. of America, 555 Madison  
 Manager's Name & Phone No. Andrew Proehl, 212 833-6204

(Use additional sheets if necessary)

## II. BACKGROUND INFORMATION

1. Do you believe this invention was developed while working under or in the performance of experimental, developmental or research work called for by a Government Contract or upon the understanding that a Government Contract would be awarded? ☒ NO ☐ YES
2. Has your invention been disclosed to anyone outside of Sony in a speech, exhibit, presentation, product, product manual, report, lecture, trade show, technical article, publication or otherwise? ☒ NO ☐ YES
3. Is this invention related to any previous Sony Invention Disclosures of which you are aware (made by you or someone else)? ☒ NO ☐ YES

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 Y/N PASS ELIGIBILITY  
 IF N SENT BACK  
 NOTIFIED PATENT ADM 11/21/97

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4. If you responded "YES" to any of questions 1-3, please explain below. Use a separate sheet if necessary.

5. Name of product(s) or project(s) for which this invention was developed:

Primary target: Digital Satellite System TV, or Digital Television

Related product proposal: MIDAS/Media Route AV Control software.

6. When do you expect a product incorporating this invention to be sold, offered for sale or shown to someone outside of Sony? (If a product or prototype has already been sold, offered for sale or shown, please identify the earliest date this happened.)

1999 J Sky B set top box, or Cable set top box for U.S. market.

MIDAS AV Control software, summer 1998 target

7. Has a working model of the invention been built and tested (or appropriate software been written)?

☒ NO ☐ YES If yes, who has witnessed a demonstration, and when?

8. List below any patents, publications, articles, texts, products, etc. which describe technology similar to your invention including reference material which may be useful in understanding the background technology of your invention: (Use a separate sheet if necessary and attach a copy of each item. Please include copies of all bibliographical information.)

- WebTV has or is planning similar reminder functions
- The Starsight and Genstar patents ~~also make use of~~ may also include functions that are similar to this function.

(Use a separate sheet if necessary)

### III. DESCRIPTION OF THE INVENTION

1. Please provide a very brief (i.e. one short sentence) summary of your invention.

A messaging display that appears overlaid on top of a video signal to ~~the~~ remind users ~~of~~ ~~and~~ ~~particularly~~ ~~desire~~ to view a previously designated program.

2. Briefly describe the field of technology to which your invention relates:

Display of TV programs and related info on TV and computer screens for terrestrial, cable, satellite or other distribution of video programming.

3. Briefly describe the problems, issues or needs which led to the invention:

Many broadcasters advertise up-coming programs on their station. Although a user may become interested in this program, it is common to not remember the program at the time of airing. For this reason, a method is needed to select designate that you are interested in the program at the time it is advertised and be reminded of it when it is about to air. Additional features can then extend this function.

4. How have others addressed these problems, issues or needs:

TV Guide online (on the WWW) may have a bookmarking, or email remind function. WebTV may be planning such a function. I am unaware however of any effort that works with program advertisements aired by the broadcasters. The only other way is to designate a future program to be recorded on to a VCR but this is a more explicit act, not a service.

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5. Describe those particular features or functions of your invention which you think may be novel or technical advancements over the technology you listed in section 1.8.:
- retrieval of channel, date, time, and program info from broadcast signal during an advertisement
  - storing reminder data in a virtual calendar that can
  - giving the user access to view, edit the calendar
  - enabling a friend or family member to recommend a program to a particular user
6. Best Mode: Describe any and all preferences you personally have regarding how to best implement, build, produce, or use your invention (e.g., preferred parts, materials, techniques, etc. which you feel are best in practicing your invention). Each submitter's opinion is important here, even if there is disagreement. Please list anything you think will make the invention better in any way:
- Hardware: a TV set top box, personal computer, Television or PC monitor (analog or digital) and an input device, either a remote control unit or mouse and keyboard.
- Software/hardware: A CPU and application software capable of real time dynamic updating of a video screen including overlaying on top of video and anti-ali alpha blending.
7. Briefly describe any alternate uses, variations or modifications of your invention which you contemplate:
- As a basic messaging function, expected variations would include, news alerts, email display, paging services, and household alerts such as messages that appear when the phone rings, the door bell rings, etc.
8. Please provide any additional information you think should be known by the attorney reviewing this form:
- see attached screen shots and diagrams.
9. Please provide a detailed description of your invention (Use one or more of the attached Invention Disclosure Data Sheets). Your description should ideally provide as many details of your invention as possible in order to achieve optimal patent protection. An ideal disclosure should describe the construction and operation of the invention including drawings (flow charts, schematics, block diagrams, mechanical drawings, photographs, etc.) and any relevant engineering laboratory notebook pages, reports, program listings, etc. If you have already prepared reports or other descriptive information, there is no need to rewrite it. Simply attach it and reference it in your invention disclosure data sheet (for example, "see attached 9 page engineering progress report addressed to John Doe dated 1 Jan., 1992 for description of amplifier circuit").

Signature of Submitter(s)

Date

Read and understood by:  
Witness Signature(s)

Date

Chen M. Pohn

12/15/97

[Signature]

12/15/97

FE - SLL

12/15/97

Kim Hwang

12/14/97

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Page 4 of 9Invention Disclosure Data Sheet

<u>Signature of Submitter(s)</u>	<u>Date</u>	<u>Read and understood by:</u> <u>Witness Signature(s)</u>	<u>Date</u>
<i>Alan M. Peltz</i>	12/15/97	<i>[Signature]</i>	12/15/97
<i>FE - SLL</i>	12/15/97		
<i>Kim Thurg</i>	12/16/97		

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Broadcaster's Program Advertising (displayed prior to time of airing for actual program)

**Must See TV...**

**Mad About You**

**Thursday, 8PM**

**NBC**

When the user sees a program he/she is interested in, he presses "Select" button to indicate he would like to view the program. This can happen 1 hour or up to 1 week before the program will air.

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DESIGN CENTER

Confirmation Display

## Must See TV...

**Mad About You,**  
**NBC, Thursdays @ 8:00 PM**

Do you want to be reminded  
when this show comes on?

Record  
It

Yes

No

**NBC**

After pressing "Select" button, a message is displayed (overlaid on top of video) asking the user to confirm his/her request to be reminded when the program airs. The user can also choose to record the program.

CONFIDENTIAL

DESIGN CENTER

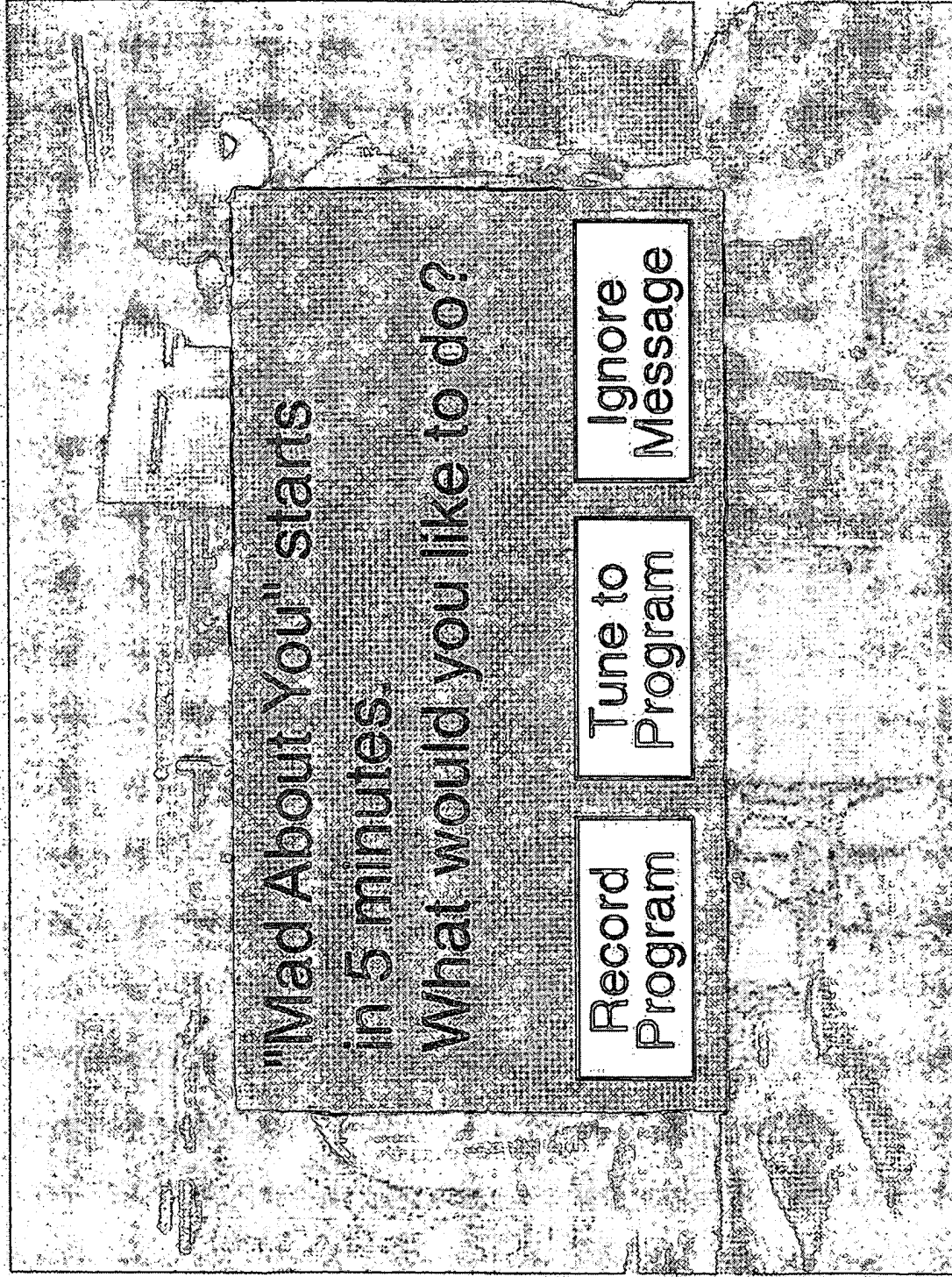
## Reminder / Message Display



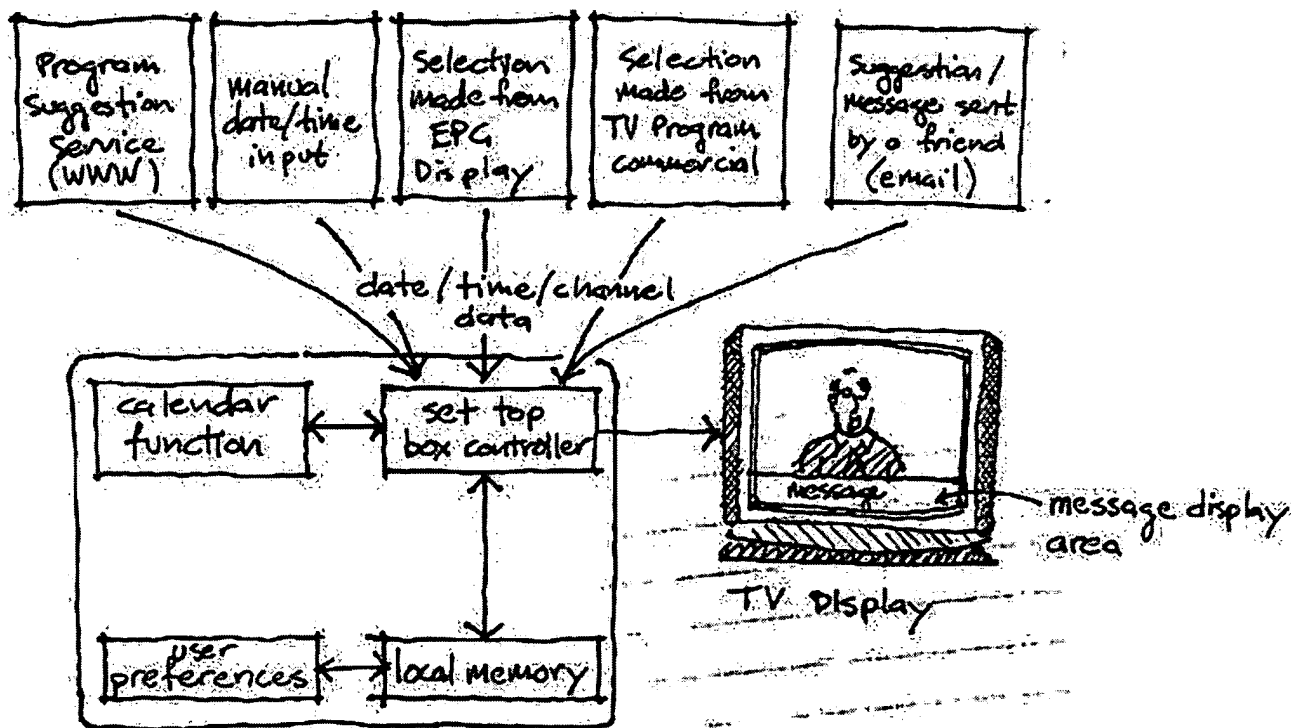
### Mad About You Starts in 5 Minutes

5 Minutes before the program airs, a reminder message is displayed on screen to alert the user. User can press "Select" to view the reminder options.

# Reminder Options Display.



After pressing "Select" when a reminder is displayed, a new message is displayed giving the user options for acting on the program. This screen can be skipped by indicating this preference in a CONFIDENTIAL set up screen.



am proehl.

## SONY ELECTRONICS (80398)

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P158	METHOD AND APPARATUS FOR NOTIFICATION ON A BROADCAST DEVICE	Andrew M. Proehl, Fanklin Servan-Schreiber, Kim Mingo	09/218,119
<b>Sony Ref. No.</b>			<b>Filed</b>
50L2271			12/21/1998
			<b>Patent No.</b>
			<b>Issue Date</b>

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## **Exhibit B**

### ***Contents***

Copy of database records for patent applications filed on behalf of Sony  
Electronics and Sony Corporation from April 29, 1998 through December 21, 1998.



SONY ELECTRONICS (80398)

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BSTZ Matter No.	Title	Inventors	Serial No.
P152	ADAPTIVE HORIZONTAL MONITOR BLANKING PULSE GENERATOR	Hiroyuki Ikegami, Taro Tadano, Masanobu Kimoto,	09/079,937
Sony Ref. No. 50L2165			Filed 5/15/1998
			Patent No.
			Issue Date

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BSTZ Matter No.	Title	Inventors	Serial No.
P161	VERTICAL PIN DISTORTION CORRECTION APPARATUS AND METHOD FOR A MULTI-SCAN DISPLAY	Taro Tadano, Pablo Espinosa, Tadashi Fujise	09/079,658
Sony Ref. No. 50L2277			Filed 5/15/1998
			Patent No. 6,208,320
			Issue Date 3/27/2001

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BSTZ Matter No.	Title	Inventors	Serial No.
P156C	APPARATUS AND METHOD FOR PROVIDING ROBUST ERROR RECOVERY FOR ERRORS THAT OCCUR IN A LOSSY TRANSMISSION ENVIRONMENT	Tetsujiro Kondo, Yasuhiro Fujimori, Sugata Ghosal, James J. Carrig	09/111,116
Sony Ref. No. 50L2190			Filed 7/6/1998
			Patent No. 6,212,663
			Issue Date 4/3/2001

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**SONY ELECTRONICS (80398)**

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P156C2	APPARATUS AND METHOD FOR PARTIAL BUFFERING TRANSMITTED DATA TO PROVIDE ROBUST ERROR RECOVERY IN A LOSSY TRANSMISSION ENVIRONMENT	Tetsujiro Kondo, Yasuhiro Fujimori, James J. Carrig, Sugata Ghosal	09/111,112
<b>Sony Ref. No.</b> 50L2194			<b>Filed</b> 7/6/1998
			<b>Patent No.</b> 6,263,468
			<b>Issue Date</b> 7/17/2001

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P156C3	APPARATUS AND METHOD FOR LOCALIZING TRANSMISSION ERRORS TO PROVIDE ROBUST ERROR RECOVERY IN A LOSSY TRANSMISSION ENVIRONMENT	Tetsujiro Kondo, James J. Carrig, Yasuhiro Fujimori, Sugata Ghosal	09/111,357
<b>Sony Ref. No.</b> 50L2195			<b>Filed</b> 7/6/1998
			<b>Patent No.</b> 6,298,085
			<b>Issue Date</b> 10/2/2001

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P156C4	APPARATUS AND METHOD FOR RECOVERY OF DATA IN A LOSSY TRANSMISSION ENVIRONMENT	Tetsujiro Kondo, Yasuhiro Fujimori, Sugata Ghosal, James J. Carrig	09/111,270
<b>Sony Ref. No.</b> 50L2196			<b>Filed</b> 7/6/1998
			<b>Patent No.</b> 6,282,684
			<b>Issue Date</b> 8/28/2001

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SONY ELECTRONICS (80398)

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BSTZ Matter No.	Title	Inventors	Serial No.
P156C5	APPARATUS AND METHOD FOR PROVIDING ROBUST ERROR RECOVERY FOR ERRORS THAT OCCUR IN A LOSSY TRANSMISSION ENVIRONMENT	Tetsujiro Kondo, James J. Carrig, Yasuhiro Fujimori, Sugata Ghosal	09/110,803
Sony Ref. No. 50L2189			Filed 7/6/1998
			Patent No. 6,163,868
			Issue Date 12/19/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P156C6	APPARATUS AND METHOD FOR RECOVERY OF LOST/DAMAGED DATA IN A BITSTREAM OF DATA BASED ON COMPATIBILITY OF ADJACENT BLOCKS OF DATA	Tetsujiro Kondo, James J. Carrig, Yasuhiro Fujimori, Sugata Ghosal	09/111,358
Sony Ref. No. 50L2192			Filed 7/6/1998
			Patent No. 6,263,108
			Issue Date 7/17/2001

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BSTZ Matter No.	Title	Inventors	Serial No.
P156C7	APPARATUS AND METHOD FOR ENCODING AND DECODING DATA IN A LOSSY TRANSMISSION ENVIRONMENT	Tetsujiro Kondo, Yasuhiro Fujimori, James J. Carrig, Sugata Ghosal	09/111,111
Sony Ref. No. 50L2193			Filed 7/6/1998
			Patent No. 6,332,042
			Issue Date 12/18/2001

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SONY ELECTRONICS (80398)

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BSTZ Matter No.	Title	Inventors	Serial No.
P156C8	APPARATUS AND METHOD FOR MAPPING AN IMAGE TO BLOCKS TO PROVIDE FOR ROBUST ERROR RECOVERY IN A LOSSY TRANSMISSION ENVIRONMENT	Tetsujiro Kondo, James J. Carrig, Yasuhiro Fujimori, Sugata Ghosal	09/111,362
Sony Ref. No. 50L2197			<b>Filed</b> 7/6/1998  <b>Patent No.</b> 6,311,297  <b>Issue Date</b> 10/30/2001

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BSTZ Matter No.	Title	Inventors	Serial No.
P148	A METHOD AND APPARATUS FOR TRAINING A RECEIVER ON A SOURCE	Joseph Saib	09/122,531
Sony Ref. No. 50L2171			<b>Filed</b> 7/24/1998  <b>Patent No.</b> 6,208,296  <b>Issue Date</b> 3/27/2001

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BSTZ Matter No.	Title	Inventors	Serial No.
P095D	METHOD AND APPARATUS FOR TWO CHANNELS OF SOUND HAVING DIRECTIONAL CUES	Michael Kohut, James Mercks, Laura Mercks, Paul M. Embree, Paul N. Wood	09/133,289
Sony Ref. No. 50L1920.01			<b>Filed</b> 8/12/1998  <b>Patent No.</b> 6,154,545  <b>Issue Date</b> 11/28/2000

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SONY ELECTRONICS (80398)

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BSTZ Matter No.	Title	Inventors	Serial No.
P051D	METHOD AND APPARATUS FOR ELECTRONICALLY EMBEDDING DIRECTIONAL CUES IN TWO CHANNELS OF SOUND	Paul Nigel Wood, Laura Mercks, Paul Embree	09/134,503
Sony Ref. No. 50K1670.01			Filed 8/14/1998  Patent No. 6,002,775  Issue Date 12/14/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P164	OPTICAL REMOTE CONTROL INTERFACE SYSTEM AND METHOD	Peter Rae Shintani, Hirofumi Usui	09/144,007
Sony Ref. No. 50M2536			Filed 8/31/1998  Patent No. 6,111,677  Issue Date 8/29/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P105	THE MONITOR WITH THE IMAGE AT CRT SURFACE	Yoshinori Onoue, Yoshihisa Narui	09/161,066
Sony Ref. No. 50L2046			Filed 9/25/1998  Patent No. 6,388,662  Issue Date 5/14/2002

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SONY ELECTRONICS (80398)

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BSTZ Matter No.	Title	Inventors	Serial No.
P188	METHOD AND APPARATUS FOR	Libiao Jiang, Toshiro Kawata	09/163,611
Sony Ref. No. 50M2762	MONITORING/SHUTTING DOWN A POWER LINE WITHIN A DISPLAY DEVICE		<b>Filed</b> 9/30/1998  <b>Patent No.</b> 6,529,190  <b>Issue Date</b> 3/4/2003

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BSTZ Matter No.	Title	Inventors	Serial No.
P192	CORRECTION OF CORRUPTED DATA IN CAPACITOR SWITCHING CONTROL TO MAINTAIN HORIZONTAL LINEARITY IN VIDEO MONITORS	Shin Fujimori, Taro Tadano, Masanobu Kimoto	09/164,213
Sony Ref. No. 50M2768			<b>Filed</b> 9/30/1998  <b>Patent No.</b> 6,137,243  <b>Issue Date</b> 10/24/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P149	A METHOD AND APPARATUS FOR PROVIDING CONTINUITY AMONG ON-SCREEN ELECTRONIC MENUS	Joseph Saib, Atsushi Suzuki	09/164,943
Sony Ref. No. 50L2169			<b>Filed</b> 10/1/1998  <b>Patent No.</b>  <b>Issue Date</b>

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**SONY ELECTRONICS (80398)**

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P186	FLEXIBLE PHASE SHIFT COMPENSATION FOR AUTOMATIC SIZE AND CENTERING OF AN IMAGE	Libiao Jiang, Masanobu Kimoto, Shin Fujimori	09/165,169
<b>Sony Ref. No.</b> 50M2760			<b>Filed</b> 10/1/1998
			<b>Patent No.</b> 6,266,097
			<b>Issue Date</b> 7/24/2001

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P187	ACCURATE ON-SITE REFERENCE FOR ASC HORIZONTAL SIZE AND POSITION ADJUSTMENT	Libiao Jiang, Masanubo Kimoto, Taro Tadano	09/165,171
<b>Sony Ref. No.</b> 50M2761			<b>Filed</b> 10/1/1998
			<b>Patent No.</b> 6,259,483
			<b>Issue Date</b> 7/10/2001

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P189	METHOD AND APPARATUS FOR CENTERING A VIDEO SIGNAL	Libiao Jiang, Masanobu Kimoto	09/165,173
<b>Sony Ref. No.</b> 50M2763			<b>Filed</b> 10/1/1998
			<b>Patent No.</b> 6,259,484
			<b>Issue Date</b> 7/10/2001

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SONY ELECTRONICS (80398)

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BSTZ Matter No.	Title	Inventors	Serial No.
P190	MOIRE CANCELLING ACCORDING TO RESOLUTION	Shin Fujimori, Taro Tadano, Masanobu Kimoto	09/165,170
Sony Ref. No. 50M2767			Filed 10/1/1998  Patent No. 6,094,018  Issue Date 7/25/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P193	ADJUSTMENT RANGE LIMITATION OF MOIRE CORRECTION ACCORDING TO HORIZONTAL FREQUENCY	Shin Fujimori, Taro Tadano	09/165,172
Sony Ref. No. 50M2766			Filed 10/1/1998  Patent No. 6,225,762  Issue Date 5/1/2001

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BSTZ Matter No.	Title	Inventors	Serial No.
P173	RENEWABLE 1394 BASED LOW COST CONDITIONAL ACCESS MODULE	David A. Desch	09/169,837
Sony Ref. No. 50M2583			Filed 10/9/1998  Patent No.  Issue Date

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SONY ELECTRONICS (80398)

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BSTZ Matter No.	Title	Inventors	Serial No.
P174	DIGITAL (BROADCASTING) SIGNAL DISTRIBUTION	Takaaki Ota	09/169,881
Sony Ref. No. 50M2584			Filed 10/12/1998
			Patent No.
			Issue Date

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BSTZ Matter No.	Title	Inventors	Serial No.
P170	MODULAR IMAGE QUERY SYSTEM	Hawley Knox Rising, III	09/175,155
Sony Ref. No. 50M2546			Filed 10/19/1998
			Patent No. 6,445,834
			Issue Date 9/3/2002

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BSTZ Matter No.	Title	Inventors	Serial No.
P171	METHOD FOR DETERMINING A CORRELATION BETWEEN IMAGES USING MULTI-ELEMENT IMAGE DESCRIPTORS	Lizhi Wang	09/175,146
Sony Ref. No. 50M2556			Filed 10/19/1998
			Patent No. 6,256,409
			Issue Date 7/3/2001

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SONY ELECTRONICS (80398)

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BSTZ Matter No.	Title	Inventors	Serial No.
P175	METHOD AND APPARATUS FOR UPDATING A MULTIDIMENSIONAL SCALING DATABASE	Hawley K. Rising, III	09/176,052
Sony Ref. No. 50M2653			Filed 10/20/1998  Patent No. 6,392,649  Issue Date 5/21/2002

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BSTZ Matter No.	Title	Inventors	Serial No.
P176	THE MONITOR WITH SELF DIAGNOSIS	Yoshihisa Narui	09/175,310
Sony Ref. No. 50M2662			Filed 10/20/1998  Patent No.  Issue Date

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BSTZ Matter No.	Title	Inventors	Serial No.
P169	THREE-DIMENSIONAL COLOR SPACE DISPLAY	Zhuoning Li	09/176,612
Sony Ref. No. 50M2547			Filed 10/21/1998  Patent No. 6,236,406  Issue Date 5/22/2001

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P201	SYSTEM AND METHOD FOR MULTI-USER INTERACTION BETWEEN NODE BASED SCENES	Jing Z. Swales, Tao Liang, Sadik Bayrakeri	09/176,616
<b>Sony Ref. No.</b> 50M2843			<b>Filed</b> 10/21/1998
			<b>Patent No.</b>
			<b>Issue Date</b>

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P533	METHOD AND APPARATUS FOR IMPLEMENTING MULTI-USER GROUPING NODES IN A MULTIMEDIA PLAYER	Tao Liang, Sadik Bayrakeri, Jing Swales	09/176,100
<b>Sony Ref. No.</b> 50M2844			<b>Filed</b> 10/21/1998
			<b>Patent No.</b>
			<b>Issue Date</b>

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P166	METHOD AND APPARATUS FOR DESIGNING A CODE BOOK FOR ERROR RESILIENT DATA TRANSMISSION	Ning Lu, Chi Wah Kok	09/177,781
<b>Sony Ref. No.</b> 50M2571			<b>Filed</b> 10/22/1998
			<b>Patent No.</b> 6,157,328
			<b>Issue Date</b> 12/5/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P167	METHODS AND APPARATUS FOR MOTION VECTOR CONCEALMENT	Chi Wah Kok, Ning Lu	09/177,676
Sony Ref. No. 50M2545			Filed 10/22/1998
			Patent No. 6,489,995
			Issue Date 12/3/2002

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BSTZ Matter No.	Title	Inventors	Serial No.
P147	METHOD AND APPARATUS FOR OPTIMAL COMPRESSION AND DOWNLOADING OF ELECTRONIC INFORMATION	Joseph Saib	09/182,390
Sony Ref. No. 50L2172			Filed 10/28/1998
			Patent No.
			Issue Date

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BSTZ Matter No.	Title	Inventors	Serial No.
P081	GUI RESOURCE EDITOR FOR AN EMBEDDED SYSTEM	Joseph Saib, Atsushi Suzuki	09/183,153
Sony Ref. No. 50L1900			Filed 10/30/1998
			Patent No. 6,429,885
			Issue Date 8/6/2002

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P162	A SYSTEM AND METHOD FOR PROVIDING DIGITAL VIDEO AND AUDIO BROADCAST	David A. Desch	09/183,717
<b>Sony Ref. No.</b> 50M2465			<b>Filed</b> 10/30/1998
			<b>Patent No.</b>
			<b>Issue Date</b>

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P172	METHOD AND APPARATUS FOR LANDING ADJUSTMENT JIG CALIBRATION CHECK	David Christian Steele, David Alan Jones, Darwen John Cook	09/183,834
<b>Sony Ref. No.</b> 50L2016			<b>Filed</b> 10/30/1998
			<b>Patent No.</b> 6,356,301
			<b>Issue Date</b> 3/12/2002

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P531	THE VISUAL DISPLAY OF CATEGORICAL INFORMATION THROUGH VISUAL FACTORS SUCH AS SCALE	Eduardo Sciammarella, Franklin Servan-Schreiber	09/183,008
<b>Sony Ref. No.</b> 50L2272			<b>Filed</b> 10/30/1998
			<b>Patent No.</b> 6,608,633
			<b>Issue Date</b> 8/19/2003

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BSTZ Matter No.	Title	Inventors	Serial No.
P205	WIRE DRESS PROTECTOR FOR A TELEVISION CABINET STAND	Hirakazu Goto, Shunsuke Hanaoka, Jared Lee Zamaloff	09/190,384
Sony Ref. No. 50M2904			<b>Filed</b> 11/10/1998
			<b>Patent No.</b> 6,209,974
			<b>Issue Date</b> 4/3/2001

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BSTZ Matter No.	Title	Inventors	Serial No.
P206	THREE PILLAR CONSTRUCTION STAND	Hirokaru Goto, Shunsuke Hanaoka, Jared Lee Zamaloff	09/190,381
Sony Ref. No. 50M2898			<b>Filed</b> 11/10/1998
			<b>Patent No.</b> 6,095,623
			<b>Issue Date</b> 8/1/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P207	FRAMELESS SLIDING DOOR SYSTEM FOR A TELEVISION CABINET STAND	Horokazu Goto, Shunsuke Hanaoka, Jared Lee Zamaloff, Richard Gioscia	09/189,769
Sony Ref. No. 50M2899			<b>Filed</b> 11/10/1998
			<b>Patent No.</b> 6,152,549
			<b>Issue Date</b> 11/28/2000

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P106X	METHOD AND APPARATUS FOR VERY LARGE VOCABULARY ISOLATED WORD RECOGNITION IN A PARAMETER SHARING SPEECH RECOGNITION SYSTEM	Ruxin Chen, Lex S. Olorenshaw, Miyuki Tanaka, Xavier Menendez-Pidal	09/200,227
<b>Sony Ref. No.</b> 50L2096.01			<b>Filed</b> 11/25/1998
			<b>Patent No.</b>
			<b>Issue Date</b>

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P099	CINEMA NETWORKING SYSTEM (CNS)	James Salvatore Mercs, Ara James Derderian	09/210,145
<b>Sony Ref. No.</b> 50L1866			<b>Filed</b> 12/11/1998
			<b>Patent No.</b> 6,384,893
			<b>Issue Date</b> 5/7/2002

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P157	A METHOD AND APPARATUS FOR DISPLAYING AN ELECTRONIC PROGRAM GUIDE	Andrew M. Proehl, Franklin Servan-Schreiber, Anne Kim	09/217,671
<b>Sony Ref. No.</b> 50L2269			<b>Filed</b> 12/21/1998
			<b>Patent No.</b> 6,577,350
			<b>Issue Date</b> 6/10/2003

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P159	METHOD AND APPARATUS FOR PROVIDING	Andy Proehl, Tadamasa Kitsukawa, Gong Szedo,	09/218,857
<b>Sony Ref. No.</b> 50M2322	ON-DEMAND ELECTRONIC ADVERTISING	Keiichi Totsuka	<b>Filed</b> 12/21/1998
			<b>Patent No.</b> 6,282,713
			<b>Issue Date</b> 8/28/2001

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P160	METHOD AND APPARATUS FOR PROVIDING	Andy Proehl, Tadamasa Kitsukawa, Gong Szedo,	09/218,120
<b>Sony Ref. No.</b> 50M2323	ELECTRONIC COUPONS	Keiichi Totsuka	<b>Filed</b> 12/21/1998
			<b>Patent No.</b>
			<b>Issue Date</b>

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## SONY CORPORATION

<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P050	09/154,256	6,272,572 B1	APPARATUS AND METHOD FOR COMBINING PASSENGER SERVICE SYSTEM, ENTERTAINMENT AUDIO & TELEPHONY SERVICES ONTO A NETWORK
<u>SONY File No.</u>	<u>Filed</u>	<u>Issue Date</u>	
50M2722	9/16/1998	8/7/2001	

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<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P051	09/203,219	6,360,334 B1	METHOD AND APPARATUS FOR VERIFYING A SOFTWARE CONFIGURATION OF A DISTRIBUTED SYSTEM
<u>SONY File No.</u>	<u>Filed</u>	<u>Issue Date</u>	
50M2658	11/30/1998	3/29/2002	

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<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P052	09/185,252	6,189,127	METHOD AND APPARATUS FOR PAT 2 SERIAL BUS DECODING
<u>SONY File No.</u>	<u>Filed</u>	<u>Issue Date</u>	
50M2578	11/2/1998	2/13/2001	

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## Exhibit C

### *Contents*

Copy of database records for patent applications for Sony Electronics and Sony Corporation with prosecution activity from April 29, 1998 through December 21, 1998.

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BSTZ Matter No.	Title	Inventors	Serial No.
P091	BLOCK RESIZING FUNCTION FOR MULTIMEDIA EDITING WHICH MOVES OTHER BLOCKS IN RESPONSE TO THE RESIZE ONLY AS NECESSARY	Robert Duffy, Nancy Craighill, Darin Fong, Robert Berger	08/047,828
Sony Ref. No. 50G0801			Filed 4/15/1993
			Patent No. 5,758,180
			Issue Date 5/26/1998

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BSTZ Matter No.	Title	Inventors	Serial No.
P006	A METHOD AND APPARATUS FOR PROVIDING STATION AND PROGRAMMING INFORMATION IN A MULTIPLE STATION BROADCAST SYSTEM	Fujio Noguchi, Gail Karen White, Richard Gioscia, Peter Jordan, Setsuko W. Blaszkowski, Kazuhiro Akaike, Mark Schaffer, Noriko Kotabe, Takashi Otani, Tadashi Kajiwara	08/369,674
Sony Ref. No. 50H1185			Filed 1/4/1995
			Patent No. 6,163,345
			Issue Date 12/19/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P010	A METHOD AND APPARATUS FOR PROVIDING FAVORITE STATION AND PROGRAMMING INFORMATION IN A MULTIPLE STATION BROADCAST SYSTEM	Fujio Noguchi, Kazuhiko Akaike, Setsuko W. Blaszkowski, Noriko Kotabe, Takashi Otani, Tadashi Kajiwara	08/369,676
Sony Ref. No. 50H1189			Filed 1/4/1995
			Patent No. 6,426,779
			Issue Date 7/30/2002

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P027	METHOD AND APPARATUS FOR DISPLAYING IN AND OUT POINTS DURING VIDEO EDITING	Douglas Koji Tao, Samuel R. Shore, Adelheid Maria Schoolcraft, Richard A. Bardini, Michael A. Kutner, Oliver F. Morgan	08/548,753
<b>Sony Ref. No.</b> 50J1358			<b>Filed</b> 10/26/1995
			<b>Patent No.</b> 5,760,767
			<b>Issue Date</b> 6/2/1998

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P021	INFORMATION TOOLS WHICH HAS MULTI-FUNCTIONAL INFORMATION	Kazushi Tabe, Masayuki Hisamura	08/582,541
<b>Sony Ref. No.</b> 50J1255			<b>Filed</b> 1/3/1996
			<b>Patent No.</b> 5,852,783
			<b>Issue Date</b> 12/22/1998

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P032	SYSTEM FOR ACQUIRING, REVIEWING AND EDITING SPORTS VIDEO SEGMENTS	Gerard J. Boetje, Peter A. Dare, Scott Smyers	08/596,677
<b>Sony Ref. No.</b> 50K1399			<b>Filed</b> 2/5/1996
			<b>Patent No.</b> 6,038,368
			<b>Issue Date</b> 3/14/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P016	METHOD AND APPARATUS FOR THE REDUCTION OF BLOCKING EFFECTS IN IMAGES	Ching-Fang Chang, Chien-Chien (C.C.) Lee	08/598,655
Sony Ref. No. 50J1237			Filed 2/8/1996
			Patent No. 5,881,180
			Issue Date 3/9/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P016C	METHOD AND APPARATUS FOR THE REDUCTION OF BLOCKING EFFECTS IN IMAGES	Ching-Fang Chang, Chien-Chien (C.C.) Lee	08/598,655
Sony Ref. No. 50J1237.01			Filed 2/8/1996
			Patent No. 5,881,180
			Issue Date 3/9/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P024	METHOD AND APPARATUS FOR BLOCKING EFFECT REDUCTION IN IMAGES	Ching-Fang Chang, Chuen-Chien (C.C. ) Lee	08/616,559
Sony Ref. No. 50J1303			Filed 3/15/1996
			Patent No. 5,974,196
			Issue Date 10/26/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P017	METHOD AND APPARATUS FOR BLOCKING EFFECT REDUCTION IN IMAGES BY POST-PROCESSING IN THE SPATIAL DOMAIN	Chin-Fang Chang, Chien-Chien Lee	08/637,206
Sony Ref. No. 50J1241			<b>Filed</b> 4/24/1996  <b>Patent No.</b> 5,933,542  <b>Issue Date</b> 8/3/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P036C	DEVICE CONTROL WITH THE TOPOLOGY MAP IN THE DIGITAL NETWORK	Ryuichi Iwamura	08/664,445
Sony Ref. No. 50K1417.01			<b>Filed</b> 6/21/1996  <b>Patent No.</b> 5,883,621  <b>Issue Date</b> 3/16/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P033	SELECTIVE DE-BLOCKING FILTER FOR DCT COMPRESSED IMAGES	Christopher J. Read	08/696,323
Sony Ref. No. 50K1409			<b>Filed</b> 8/13/1996  <b>Patent No.</b> 5,796,875  <b>Issue Date</b> 8/18/1998

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BSTZ Matter No.	Title	Inventors	Serial No.
P088C2	METHOD AND APPARATUS FOR CONNECTING MEMORY CHIPS TO FORM A CACHE	Simon Lau, Atul Ghia, Pradip Banerjee	08/689,875
Sony Ref. No. 50H1085.02	MEMORY BY ASSIGNING EACH CHIP A UNIQUE IDENTIFICATION...		<b>Filed</b> 8/15/1996  <b>Patent No.</b> 6,000,013  <b>Issue Date</b> 12/7/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P039	FRAME-ACCURATE EDIT AND PLAYBACK IN DIGITAL STREAM RECORDING	Ryuichi Iwamura	08/719,037
Sony Ref. No. 50K1448			<b>Filed</b> 9/24/1996  <b>Patent No.</b> 5,838,876  <b>Issue Date</b> 11/17/1998

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BSTZ Matter No.	Title	Inventors	Serial No.
P038	TELEVISION WITH INTEGRATED RECEIVER DECODER	Ryuichi Iwamura	08/722,631
Sony Ref. No. 50K1427			<b>Filed</b> 9/27/1996  <b>Patent No.</b> 5,844,623  <b>Issue Date</b> 12/1/1998

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P035	MODEM AND COMMUNICATIONS CONTROL SELECTION	Kazunobu Onosaka, Clayton R. Karmel, Masafumi Kuboyama, Kazuto Mugura	08/726,132
<b>Sony Ref. No.</b> 50K1412			<b>Filed</b> 10/4/1996
			<b>Patent No.</b> 5,961,608
			<b>Issue Date</b> 10/5/1999

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P084C	METHOD AND APPARATUS FOR IMPROVED GRAPHICAL USER INTERFACE WITH FUNCTION ICONS (PEBBLES)	Oliver F. Morgan	08/748,156
<b>Sony Ref. No.</b> 50H1160.01			<b>Filed</b> 11/12/1996
			<b>Patent No.</b> 5,874,952
			<b>Issue Date</b> 2/23/1999

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P089	SELF-PROPELLED CAMERA DOLLY	Barry Walter, Bill Schultz, David Cornelius, Chris Barker	08/774,789
<b>Sony Ref. No.</b> 50K1574			<b>Filed</b> 12/30/1996
			<b>Patent No.</b> 6,264,330
			<b>Issue Date</b> 7/24/2001

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P050	METHOD AND APPARATUS FOR ELECTRONICALLY EMBEDDING DIRECTIONAL CUES IN TWO CHANNELS OF SOUND FOR INTERACTIVE APPLICATIONS	Paul Nigel Wood, Laura Mercks, Paul Embree	08/788,739
<b>Sony Ref. No.</b> 50K1669			<b>Filed</b> 1/24/1997
			<b>Patent No.</b> 5,798,922
			<b>Issue Date</b> 8/25/1998

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P051	METHOD AND APPARATUS FOR ELECTRONICALLY EMBEDDING DIRECTIONAL CUES IN TWO CHANNELS OF SOUND	Paul Nigel Wood, Laura Mercks, Paul Embree	08/787,705
<b>Sony Ref. No.</b> 50K1670			<b>Filed</b> 1/24/1997
			<b>Patent No.</b> 6,009,179
			<b>Issue Date</b> 12/28/1999

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P011C	CONTROL DOOR SINGLE LATCHING AND LOCATING MECHANISM	Michael Andrew Lopez, Anthony John Gangitano	08/789,598
<b>Sony Ref. No.</b> 50H1210			<b>Filed</b> 1/24/1997
			<b>Patent No.</b> 5,884,947
			<b>Issue Date</b> 3/23/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P058	AN AUTOMATIC TIMER EVENT ENTRY	Joseph Saib	08/804,655
Sony Ref. No. 50L1787			Filed 2/25/1997  Patent No. 6,097,878  Issue Date 8/1/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P053	HIGH SPEED CMOS BUS TRANSMITTER AND RECEIVER	Ikuo Jimmy Sanwo, Paul Georgief	08/812,961
Sony Ref. No. 50K1443			Filed 3/5/1997  Patent No. 5,903,167  Issue Date 5/11/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P057	DSS-SATELLITE SIGNAL LOSS ON SCREEN NOTIFICATION	Greg Gangitano	08/811,827
Sony Ref. No. 50K1684			Filed 3/5/1997  Patent No. 6,580,452  Issue Date 6/17/2003

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BSTZ Matter No.	Title	Inventors	Serial No.
P012	METHOD AND APPARATUS STORING MULTIPLE PROTOCOL, COMPRESSED AUDIO VIDEO DATA	Hajime Inoue, Mingning Gu, Masao Mizutani, Koji Iijima, Hiroshi Okada, Naofumi Yanagihara	08/824,250
Sony Ref. No. 50J1223			<b>Filed</b> 3/25/1997  <b>Patent No.</b> 5,832,085  <b>Issue Date</b> 11/3/1998

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BSTZ Matter No.	Title	Inventors	Serial No.
P048	INTEGRATED SEARCH OF ELECTRONIC PROGRAM GUIDE, INTERNET AND OTHER INFORMATION RESOURCES	Loretta C. LeGall, Hans Masli, Charles J. Kulas	08/827,035
Sony Ref. No. 50K1606			<b>Filed</b> 3/25/1997  <b>Patent No.</b> 6,005,565  <b>Issue Date</b> 12/21/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P056	ANTENNA ALIGNMENT INDICATOR SYSTEM FOR SATELLITE RECEIVER	Leo Mark Pedlow, Jr.	08/827,034
Sony Ref. No. 50K1690			<b>Filed</b> 3/25/1997  <b>Patent No.</b> 5,923,288  <b>Issue Date</b> 7/13/1999

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P054	METHOD AND APPARATUS FOR IMPROVING VIDEO CONFERENCING VIDEO CAPTURE BY DISTANCE ADAPTIVE FILTERING	David H. Bessel	08/824,197
<b>Sony Ref. No.</b> 50K1668.01			<b>Filed</b> 3/25/1997
			<b>Patent No.</b> 6,275,252
			<b>Issue Date</b> 8/14/2001

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P065	A SYSTEM AND METHOD FOR TESTING AND UPDATING STORED CONTENT OF A REMOTE TRANSMITTER FOR AN ENTERTAINMENT SYSTEM	Joseph Saib, Atsushi Suzuki	08/855,264
<b>Sony Ref. No.</b> 50L1784			<b>Filed</b> 5/13/1997
			<b>Patent No.</b> 5,936,667
			<b>Issue Date</b> 8/10/1999

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P066	A SYSTEM AND METHOD FOR SELECTION/ DESELECTION OF TIMER RECORDING	Joseph Saib, Atsushi Suzuki	08/854,910
<b>Sony Ref. No.</b> 50L1769.01			<b>Filed</b> 5/13/1997
			<b>Patent No.</b> 6,292,624
			<b>Issue Date</b> 9/18/2001

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BSTZ Matter No.	Title	Inventors	Serial No.
P067	PERIPHERAL SOFTWARE DOWNLOAD OF A BROADCAST RECEIVER	Joseph Saib	08/855,060
Sony Ref. No. 50L1782			Filed 5/13/1997
			Patent No. 6,049,830
			Issue Date 4/11/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P062	DISPLAYING ALIASED AND ANTI-ALIASED CHARACTERS FROM A SOURCE FONT	Joseph Saib and Atsushi Suzuki	08/858,012
Sony Ref. No. 50L1770			Filed 5/16/1997
			Patent No. 6,005,635
			Issue Date 12/21/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P014C	COPY PROTECT RECORDING AND PLAYBACK SYSTEM	Hajime Inoue, Chien-Chien Lee	08/869,093
Sony Ref. No. 50J1236.01			Filed 6/4/1997
			Patent No. 5,889,919
			Issue Date 3/30/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P059C	STATION JUMP LOOP	Gail White, Joseph I. Saib, Peter Jordan, James K. Leahey, Satoru Nemoto, Peter Jordan	08/870,465
Sony Ref. No. 50L1786.01			<b>Filed</b> 6/6/1997  <b>Patent No.</b> 6,505,346  <b>Issue Date</b> 1/7/2003

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BSTZ Matter No.	Title	Inventors	Serial No.
P068	INTERNET EVENT TIMER RECORDING FOR VIDEO AND/OR AUDIO	Richard Wayne Lowell	08/881,052
Sony Ref. No. 50L1823			<b>Filed</b> 6/24/1997  <b>Patent No.</b> 6,012,086  <b>Issue Date</b> 1/4/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P077	APPARATUS AND METHOD OF PROVIDING A PROGRAMMABLE SLEW RATE CONTROL OUTPUT DRIVER	Ikuo Jimmy Sanwo, Mahyar Nejat, Hiroshi Takano	08/884,438
Sony Ref. No. 50L1894			<b>Filed</b> 6/27/1997  <b>Patent No.</b> 5,977,790  <b>Issue Date</b> 11/2/1999

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P095	METHOD AND APPARATUS FOR TWO CHANNELS OF SOUND HAVING DIRECTIONAL CUES	Michael Kohut, James Mercks, Laura Mercks, Paul M. Embree, Paul N. Wood	08/895,173
<b>Sony Ref. No.</b> 50L1920			<b>Filed</b> 7/16/1997
			<b>Patent No.</b> 6,067,361
			<b>Issue Date</b> 5/23/2000

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P073	A METHOD AND APPARATUS FOR GENERATING AND DISPLAYING A BROADCAST SYSTEM PROGRAM GUIDE	Ludovic Legrand	08/927,104
<b>Sony Ref. No.</b> 50L1864			<b>Filed</b> 8/28/1997
			<b>Patent No.</b> 6,020,930
			<b>Issue Date</b> 2/1/2000

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P072	SERVER RESPONSE OPTIMIZATION BY PLAYLIST DIFFERENCING	Oliver Morgan, Michael Powell, Doug Tao	08/925,098
<b>Sony Ref. No.</b> 50K1397			<b>Filed</b> 9/8/1997
			<b>Patent No.</b> 5,924,071
			<b>Issue Date</b> 7/13/1999

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P098	BEAM CURRENT DETECTION AND CONTROL SYSTEM FOR A CATHODE RAY TUBE	Hiroyuki Ikegami and Taro Tadano	08/929,991
<b>Sony Ref. No.</b> 50L2003			<b>Filed</b> 9/15/1997
			<b>Patent No.</b> 5,892,544
			<b>Issue Date</b> 4/6/1999

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P101	MULTI-THREAD/ MULTI-TASK READ WRITE LOCK	Richard Joseph Oliver	08/937,094
<b>Sony Ref. No.</b> 50L1869			<b>Filed</b> 9/24/1997
			<b>Patent No.</b> 6,029,190
			<b>Issue Date</b> 2/22/2000

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P102	METHOD AND APPARATUS FOR THE ALLOCATION OF AUDIO/VIDEO TASKS IN A NETWORK SYSTEM	James Mercks	08/936,178
<b>Sony Ref. No.</b> 50L1867			<b>Filed</b> 9/24/1997
			<b>Patent No.</b> 6,539,415
			<b>Issue Date</b> 3/25/2003

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P104	NETWORK OBJECT REQUEST BROKER	Jeffrey M. Claar	08/937,093
<b>Sony Ref. No.</b> 50L1868			<b>Filed</b> 9/24/1997
			<b>Patent No.</b> 6,275,870
			<b>Issue Date</b> 8/14/2001

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P110	FILE SYSTEM BLOCK SUB-ALLOCATOR	Jeffrey M. Claar, Roger M. Duvall, Richard J. Oliver	08/936,566
<b>Sony Ref. No.</b> 50L2126			<b>Filed</b> 9/24/1997
			<b>Patent No.</b> 6,041,407
			<b>Issue Date</b> 3/21/2000

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P111	A METHOD AND APPARATUS FOR LATE BUFFER PROCESSING	Roger M. Duvall, Richard J. Oliver	08/936,635
<b>Sony Ref. No.</b> 50L2127			<b>Filed</b> 9/24/1997
			<b>Patent No.</b> 6,640,147
			<b>Issue Date</b> 10/28/2003

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P112	DISK STORAGE ORGANIZATION OF AUDIO DATA	Jeffrey M. Claar, Roger M. Duvall, Richard J. Oliver	08/935,478
<b>Sony Ref. No.</b> 50L2128			<b>Filed</b> 9/24/1997  <b>Patent No.</b> 6,047,360  <b>Issue Date</b> 4/4/2000

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P113	EDITING DIGITIZED AUDIO/VIDEO DATA ACROSS A NETWORK	Roger M. Duvall, Richard J. Oliver, Jeffrey M. Claar	08/936,847
<b>Sony Ref. No.</b> 50L2129			<b>Filed</b> 9/24/1997  <b>Patent No.</b> 6,166,731  <b>Issue Date</b> 12/26/2000

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P114	PERFORMING MEMORY MANAGEMENT IN AN OBJECT-ORIENTED PROGRAMMING ENVIRONMENT	Richard J. Oliver	08/937,076
<b>Sony Ref. No.</b> 50L2130			<b>Filed</b> 9/24/1997  <b>Patent No.</b> 6,144,965  <b>Issue Date</b> 11/7/2000

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P117	PROGRAM OVERTRACK CHANNEL INDICATOR FOR RECORDING DEVICES	James Mercs	08/936,709
<b>Sony Ref. No.</b> 50L2133			<b>Filed</b> 9/24/1997
			<b>Patent No.</b> 6,028,526
			<b>Issue Date</b> 2/22/2000

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P118	MULTI-MODE LED INDICATOR FOR RECORDING SERVICES	James Mercs, Ara Derderian	08/999,642
<b>Sony Ref. No.</b> 50L2134			<b>Filed</b> 9/24/1997
			<b>Patent No.</b> 6,317,503
			<b>Issue Date</b> 11/13/2001

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P119	LARGE BLOCK ALLOCATION FOR DISK-BASED FILE SYSTEMS	Richard J. Oliver	08/936,567
<b>Sony Ref. No.</b> 50L2135			<b>Filed</b> 9/24/1997
			<b>Patent No.</b> 5,987,479
			<b>Issue Date</b> 11/16/1999

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P121	SEAMLESS PUNCH-OUT	Richard J. Oliver, Roger M. Duvall	08/936,337
<b>Sony Ref. No.</b> 50L2137			<b>Filed</b> 9/24/1997  <b>Patent No.</b> 6,111,709  <b>Issue Date</b> 8/29/2000

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P122	STORING DIGITIZED AUDIO/VIDEO TRACKS	Roger M. Duvall, Richard J. Oliver, Jeffrey M. Claar	08/937,064
<b>Sony Ref. No.</b> 50L2153			<b>Filed</b> 9/24/1997  <b>Patent No.</b> 6,441,830  <b>Issue Date</b> 8/27/2002

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P049	HOME MOVIE MAKER	Stephen Tupper Snook	08/938,284
<b>Sony Ref. No.</b> 50L1711			<b>Filed</b> 9/26/1997  <b>Patent No.</b> 6,400,378  <b>Issue Date</b> 6/4/2002

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BSTZ Matter No.	Title	Inventors	Serial No.
P069	METHOD AND APPARATUS FOR COMMAND AND CONTROL OF TELEVISION RECEIVER FOR VIDEO CONFERENCING APPLICATIONS	David H. Bessel	08/946,363
Sony Ref. No. 50L1831			Filed 10/6/1997  Patent No. 6,380,990  Issue Date 4/30/2002

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BSTZ Matter No.	Title	Inventors	Serial No.
P071	AUTO-CONFIGURING TV AND TV ENCODER FOR COMPUTER-STYLE DISPLAY INPUT	David H. Bessel, William McKnight	08/946,020
Sony Ref. No. 50L1830			Filed 10/6/1997  Patent No. 6,069,663  Issue Date 5/30/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P071	AUTO-CONFIGURING TV AND TV ENCODER FOR COMPUTER-STYLE DISPLAY INPUT	David H. Bessel, William McKnight	08/946,020
Sony Ref. No. 50L1830			Filed 10/6/1997  Patent No. 6,069,663  Issue Date 5/30/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P032D2	SYSTEM FOR ACQUIRING, REVIEWING, AND EDITING SPORTS VIDEO SEGMENTS	Gerard J. Boetje, Peter A. Dare, Scott Smyers	08/949,635
Sony Ref. No.			Filed
50K1399.02			10/14/1997
			Patent No.
			6,289,167
			Issue Date
			9/11/2001

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BSTZ Matter No.	Title	Inventors	Serial No.
P106	METHOD AND APPARATUS FOR A PARAMETER SHARING SPEECH RECOGNITION SYSTEM	Ruxin Chen, Miyuki Tanaka, Duanpei Wu, Lex Olorenshaw	08/953,026
Sony Ref. No.			Filed
50L2096			10/16/1997
			Patent No.
			6,006,186
			Issue Date
			12/21/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P061	A METHOD AND APPARATUS FOR DISPLAYING AN ELECTRONIC PROGRAM GUIDE	Fujio Noguchi, Kazuto Mugura, Takaaki Ota	08/953,035
Sony Ref. No.			Filed
50L1767			10/17/1997
			Patent No.
			6,034,677
			Issue Date
			3/7/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P063	A METHOD AND APPARATUS FOR ADJUSTING FONT SIZE IN AN ELECTRONIC PROGRAM GUIDE DISPLAY	Fujio Noguchi and Kazuto Mugura	08/953,707
Sony Ref. No. 50L1771			Filed 10/17/1997
			Patent No. 6,954,897
			Issue Date 10/11/2005

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BSTZ Matter No.	Title	Inventors	Serial No.
P064	A METHOD AND APPARATUS FOR PROVIDING AN ENHANCED GRAPHICAL USER INTERFACE	Kazuto Mugura	08/953,031
Sony Ref. No. 50L1775			Filed 10/17/1997
			Patent No. 6,518,986
			Issue Date 2/11/2003

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BSTZ Matter No.	Title	Inventors	Serial No.
P075	METHOD AND APPARATUS FOR DISPLAYING TIME AND PROGRAM STATUS IN AN ELECTRONIC PROGRAM GUIDE	Kazuto Mugura, Yuko Nishikawa, Joseph Saib	08/953,706
Sony Ref. No. 50L1776			Filed 10/17/1997
			Patent No. 6,243,142
			Issue Date 6/5/2001

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P076	METHOD AND APPARATUS FOR DISPLAYING AN ELECTRONIC MENU HAVING COMPONENTS WITH DIFFERING LEVELS OF TRANSPARENCY	Kazuto Mugura, Yuko Nishikawa, Joseph Saib	08/953,032
<b>Sony Ref. No.</b> 50L1774			<b>Filed</b> 10/17/1997
			<b>Patent No.</b> 6,111,614
			<b>Issue Date</b> 8/29/2000

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P078	A METHOD AND APPARATUS FOR INDICATING FUNCTIONAL AREAS OF A GRAPHICAL USER INTERFACE	Joseph Saib, Kazuto Mugura	08/953,781
<b>Sony Ref. No.</b> 50L1903			<b>Filed</b> 10/17/1997
			<b>Patent No.</b> 5,973,682
			<b>Issue Date</b> 10/26/1999

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P123	METHOD AND APPARATUS FOR A LIQUID CRYSTAL DISPLAY (LCD) HAVING AN INPUT FUNCTION	Shinjiro Umeya	08/955,388
<b>Sony Ref. No.</b> 50L1982			<b>Filed</b> 10/21/1997
			<b>Patent No.</b> 6,028,581
			<b>Issue Date</b> 2/22/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P047	SYSTEM AND METHOD FOR USER CONFIGURABLE WORLD OF INFORMATION RESOURCES	Loretta C. LeGall, Hans Masli, Chuen-Chien Lee, Koichi Goto	08/957,269
Sony Ref. No. 50K1605			Filed 10/23/1997
			Patent No. 6,081,263
			Issue Date 6/27/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P126	SELECTIVE AGING FOR MONITOR PRODUCTION	Masanobu Kimoto and Tadashi Fujise	08/956,102
Sony Ref. No. 50L2178			Filed 10/24/1997
			Patent No. 6,348,944
			Issue Date 2/19/2002

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BSTZ Matter No.	Title	Inventors	Serial No.
P128	INITIALIZATION DATA REDUNDANCY SYSTEM	Vincent Van Du, Masanobu Kimoto	08/958,045
Sony Ref. No. 50L2179			Filed 10/27/1997
			Patent No. 5,901,161
			Issue Date 5/4/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P129	FREQUENCY GENERATION DURING SWITCH-OVER FOR MULTI-FREQUENCY VIDEO MONITOR	Vincent Van Du, Kazuo Kii	08/958,007
Sony Ref. No. 50L2183			Filed 10/27/1997
			Patent No. 6,175,361
			Issue Date 1/16/2001

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BSTZ Matter No.	Title	Inventors	Serial No.
P130	ADAPTIVE SHARPNESS ENHANCEMENT FOR MULTI-FREQUENCY SCANNING MONITOR	Masanobu Kimoto and Hiroyuki Nakazono	08/957,881
Sony Ref. No. 50L2181			Filed 10/27/1997
			Patent No. 6,034,742
			Issue Date 3/7/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P131	ADAPTIVE CONVERGENCE ADJUSTMENT FOR MULTI-SCAN MONITOR	Masanobu Kimoto, Paolo A. Espinosa	08/958,102
Sony Ref. No. 50L2182			Filed 10/27/1997
			Patent No. 5,939,843
			Issue Date 8/17/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P132	CATHODE OUTPUT SCALING	Vincent Van Du, Hiroyuki Nakazono, and Alexander McElroy	08/958,096
Sony Ref. No. 50L2184			Filed 10/27/1997  Patent No. 5,977,711  Issue Date 11/2/1999

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BSTZ Matter No.	Title	Inventors	Serial No.
P082	METHOD AND APPARATUS FOR PROVIDING A VIDEO EDITOR	Joseph Saib	08/961,655
Sony Ref. No. 50L1901			Filed 10/31/1997  Patent No. 6,456,779  Issue Date 9/24/2002

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BSTZ Matter No.	Title	Inventors	Serial No.
P080	MUSIC CHANNEL GRAPHICAL USER INTERFACE	Joseph Saib, Ludovic LeGrand	08/964,845
Sony Ref. No. 50L1902			Filed 11/5/1997  Patent No. 6,230,322  Issue Date 5/8/2001

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BSTZ Matter No.	Title	Inventors	Serial No.
P083	METHOD AND APPARATUS FOR SELECTING A QUANTIZATION TABLE FOR ENCODING A DIGITAL IMAGE	Ching-Fang Chang, Chuen-Chien Lee, Naofume Yanagihara	08/970,116
Sony Ref. No. 50L1889			<b>Filed</b> 11/13/1997
			<b>Patent No.</b> 6,266,375
			<b>Issue Date</b> 7/24/2001

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BSTZ Matter No.	Title	Inventors	Serial No.
P136	1/4 SIZE REAL TIME DECODING OF DIGITAL VIDEO	Ching-Fang Chang, Naofumi Yanagihara	08/970,880
Sony Ref. No. 50L2202			<b>Filed</b> 11/14/1997
			<b>Patent No.</b> 6,111,989
			<b>Issue Date</b> 8/29/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P137	1/16 SIZE REAL TIME DECODING OF DIGITAL VIDEO	Ching-Fang Chang, Naofumi Yanagihara	08/970,338
Sony Ref. No. 50L2203			<b>Filed</b> 11/14/1997
			<b>Patent No.</b> 6,104,838
			<b>Issue Date</b> 8/15/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P097	APPARATUS AND METHOD FOR PROVIDING STEREO TELEVISION AUDIO SIGNALS	Leo M. Pedlow, Jr.	08/982,274
Sony Ref. No. 50L1936			Filed 12/1/1997
			Patent No. 6,122,380
			Issue Date 9/19/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P096	INTEGRATED COMMUNICATION CENTER	Parichay Saxena, Xiaohui Zhang, Hiroaki Nakano	08/988,527
Sony Ref. No. 50L1944			Filed 12/10/1997
			Patent No. 6,259,449
			Issue Date 7/10/2001

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BSTZ Matter No.	Title	Inventors	Serial No.
P125	METHOD FOR ATTACHING METAL TAPE TO A CONDUCTIVE PLASTIC FILM OVERLAYING A CATHODE-RAY TUBE SCREEN, AND A DISPLAY DEVICE	Jon Richard Dreyer, Michael William Bates	08/992,833
Sony Ref. No. 50L2083			Filed 12/16/1997
			Patent No. 6,139,389
			Issue Date 10/31/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P116	A FLEXIBLE PHASED LOCKED LOOP SYSTEM	Paul M. Embree	08/992,641
Sony Ref. No. 50L2132			Filed 12/17/1997  Patent No. 6,104,222  Issue Date 8/15/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P140	METHOD AND APPARATUS FOR ENCODING TRELLIS CODED DIRECT SEQUENCE SPREAD SPECTRUM COMMUNICATION SIGNALS	William Wayne Jones, Thomas Joseph Kenney	09/001,260
Sony Ref. No. 50L2232			Filed 12/31/1997  Patent No. 6,215,813  Issue Date 4/10/2001

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BSTZ Matter No.	Title	Inventors	Serial No.
P141	METHOD AND APPARATUS FOR DEMODULATING TRELLIS CODED DIRECT SEQUENCE SPREAD SPECTRUM COMMUNICATION SIGNALS	William Wayne Jones, Thomas Joseph Kenney	09/001,507
Sony Ref. No. 50L2231			Filed 12/31/1997  Patent No. 6,125,136  Issue Date 9/26/2000

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BSTZ Matter No.	Title	Inventors	Serial No.
P151	METHOD AND APPARATUS FOR DECODING OF TRELLIS CODED DIRECT SEQUENCE SPREAD COMMUNICATION SIGNALS	William W. Jones, Thomas J. Kenney	09/002,262
Sony Ref. No. 50L2302			Filed 12/31/1997
			Patent No. 6,233,271
			Issue Date 5/15/2001

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BSTZ Matter No.	Title	Inventors	Serial No.
P156	SOURCE CODING TO PROVIDE FOR ROBUST ERROR RECOVERY DURING TRANSMISSION LOSSES	Tetsujiro Kondo, Yasuhiro Fujimori, Sugata Ghosal, James J. Carrig	09/016,083
Sony Ref. No. 50L2200			Filed 1/30/1998
			Patent No. 6,581,170
			Issue Date 6/17/2003

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BSTZ Matter No.	Title	Inventors	Serial No.
P142	METHOD AND APPARATUS FOR MODIFYING SCREEN RESOLUTION BASED ON AVAILABLE MEMORY	Micheale R. McKay, Donald B. Moore, Mark A. Champion	09/049,822
Sony Ref. No. 50L2212			Filed 3/27/1998
			Patent No. 6,313,822
			Issue Date 11/6/2001

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P144	A SYSTEM AND METHOD FOR PROVIDING SELECTION OF TIMER RECORDING	Joseph Saib	09/049,455
<b>Sony Ref. No.</b> 50L2166			<b>Filed</b> 3/27/1998
			<b>Patent No.</b> 6,424,791
			<b>Issue Date</b> 7/23/2002

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<b>BSTZ Matter No.</b>	<b>Title</b>	<b>Inventors</b>	<b>Serial No.</b>
P079	SIMULATION DEVELOPMENT TOOL FOR AN EMBEDDED SYSTEM	Joseph Saib	09/053,396
<b>Sony Ref. No.</b> 50L1904			<b>Filed</b> 3/31/1998
			<b>Patent No.</b> 6,317,706
			<b>Issue Date</b> 11/13/2001

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## SONY CORPORATION

<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P014	08/639,287	5,835,127	INTEGRATED ELECTRONIC SYSTEM UTILIZING A UNIVERSAL INTERFACE TO SUPPORT TELEPHONY AND OTHER COMMUNICATION SERVICES
<u>SONY File No.</u>	<u>Filed</u>	<u>Issue Date</u>	
50K1426	4/25/1996	11/10/1998	

<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P009C	08/689,876	5,848,235	BOUNDARY SCAN TEST METHOD AND APPARATUS
<u>SONY File No.</u>	<u>Filed</u>	<u>Issue Date</u>	
50G0877.01	8/15/1996	12/8/1998	

<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P023	08/705,128	5,881,228	EFFICIENT MESSAGE PROCESSING USING A MULTI-PORTED RAM AND A DEDICATED MICROCONTROLLER
<u>SONY File No.</u>	<u>Filed</u>	<u>Issue Date</u>	
50K1504	8/29/1996	3/9/1999	

<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P028	08/697,910	5,826,091	METHOD AND APPARATUS FOR REGENERATING EDGE-SENSITIVE INTERRUPTS
<u>SONY File No.</u>	<u>Filed</u>	<u>Issue Date</u>	
50K1473	8/30/1996	10/20/1998	

<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P022	08/713,811	5,854,591	A SYSTEM AND METHOD FOR PROCESSING PASSENGER SERVICE SYSTEM INFORMATION
<u>SONY File No.</u>	<u>Filed</u>	<u>Issue Date</u>	
50K1499	9/13/1996	12/29/1998	

<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P024	08/713,874	5,848,367	A SYSTEM AND METHOD FOR SHARING A NON-VOLATILE MEMORY ELEMENT AS A BOOT DEVICE
<u>SONY File No.</u>	<u>Filed</u>	<u>Issue Date</u>	
50K1511	9/13/1996	12/8/1998	

<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P026	08/732,526	5,796,185	CIRCUIT CARD PRESENT SENSE AND PROTECTIVE POWER SUPPLY INHIBIT FOR AIRBORNE APPLICATION OF ATM SWITCH UNIT
<u>SONY File No.</u>	<u>Filed</u>	<u>Issue Date</u>	
50K1464	10/15/1996	8/18/1998	

<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P029	08/783,604	5,889,466	APPARATUS AND METHOD OF PROVIDING POWER CONTROL BASED ON ENVIRONMENTAL CONDITIONS
<u>SONY File No.</u> 50K1479	<u>Filed</u> 1/14/1997	<u>Issue Date</u> 3/30/1999	
<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P033	08/787,690	5907827	METHOD AND APPARATUS FOR SYNCHRONIZED COMPRESSION AND DECOMPRESSION
<u>SONY File No.</u> 50K1502	<u>Filed</u> 1/23/1997	<u>Issue Date</u> 5/25/1999	
<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P031	08/789,882	5,894,413	REDUNDANT POWER SUPPLY SWITCHOVER CIRCUIT
<u>SONY File No.</u> 50K1482	<u>Filed</u> 1/28/1997	<u>Issue Date</u> 4/13/1999	
<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P018	08/791,754	6,163,823	DYNAMIC ADDRESSING OF DEVICES ON A SHARED MEDIUM NETWORK WITH A KEYLINE
<u>SONY File No.</u> 50K1467	<u>Filed</u> 1/29/1997	<u>Issue Date</u> 12/19/2000	
<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P041	08/794,206	5,963,877	TELEPHONE CALL RECEIVE INDICATOR
<u>SONY File No.</u> 50K1485	<u>Filed</u> 1/30/1997	<u>Issue Date</u> 10/5/1999	
<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P017	08/791,933	6,266,736	METHOD AND APPARATUS FOR EFFICIENT SOFTWARE UPDATING
<u>SONY File No.</u> 50K1465.01	<u>Filed</u> 1/31/1997	<u>Issue Date</u> 7/24/2001	
<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P043	08/824,251	5,811,791	METHOD AND APPARATUS FOR PROVIDING A VEHICLE ENTERTAINMENT CONTROL SYSTEM HAVING AN OVERRIDE CONTROL SWITCH
<u>SONY File No.</u> 50J1376	<u>Filed</u> 3/25/1997	<u>Issue Date</u> 9/22/1998	

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<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P045	08/901,326	6,011,322	APPARATUS AND METHOD FOR PROVIDING POWER TO CIRCUITRY IMPLEMENTING TWO DIFFERENT POWER SOURCES
<u>SONY File No.</u>	<u>Filed</u>	<u>Issue Date</u>	
50L1763	7/28/1997	1/4/2000	

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<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P048	08/929,742	6,034,688	SCROLLING NAVIGATIONAL DISPLAY SYSTEM
<u>SONY File No.</u>	<u>Filed</u>	<u>Issue Date</u>	
50L2044	9/15/1997	3/7/2000	

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<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P044	08/934,319	6,031,299	APPARATUS AND METHOD OF PROVIDING EMI FILTERING
<u>SONY File No.</u>	<u>Filed</u>	<u>Issue Date</u>	
50G0901	9/19/1997	2/29/2000	

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<u>Matter No.</u>	<u>Serial No.</u>	<u>Patent No.</u>	<u>Title</u>
P046	08/934,316	6,160,591	APPARATUS AND METHOD OF PROVIDING SWITCHING FREQUENCY
<u>SONY File No.</u>	<u>Filed</u>	<u>Issue Date</u>	
50L1762	9/19/1997	12/12/2000	

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